

Amendment to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently amended). A transfective cholesteric liquid crystal display, comprising:

 a top substrate coated with an electrode;

 a bottom substrate coated with an electrode, the bottom substrate having a transparent transmissive region and a non-transparent region;

 a cholesteric liquid crystal sandwiched between the a top substrate and the a bottom substrate;

~~a bottom substrate having a transparent transmissive region and a non-transparent region;~~ and

 a slant reflector ~~means~~ deposited on the top substrate and positioned above the transmissive region for reflecting backlight into the non-transparent region.

Claims 2-3 (Canceled).

Claim 4 (Currently amended). The transfective cholesteric liquid crystal display of claim 1 further comprising:

 a color filter on ~~one side of~~ the top substrate adjacent to the slant reflector to achieve and maintain good readability in any ambient.

Claim 5 (Previously presented). The transfective cholesteric liquid crystal display of claim 1, wherein the cholesteric liquid crystal has a birefringence larger than 0.08.

Claim 6 (Original). The transfective cholesteric liquid crystal display of claim 1,

wherein the non-transparent region on the bottom substrate is coated with an absorption layer to absorb light.

Claims 7-8 (Canceled).

Claim 9 (Original). The transflective cholesteric liquid crystal display of claim 6, wherein the ambient light and backlight both pass through the color filter twice so that they have similar color saturation.

Claim 10 (Canceled).

Claim 11 (Currently amended). A method of forming a full color transflective cholesteric liquid crystal (LC) display, comprising the steps of:

(a) dividing each pixel in an LC display into reflective portion and a transmissive portion;

(b) positioning a slant reflector in the transmissive portion for reflecting backlight into the reflective pixel;

~~(b)~~ (c) selecting high birefringence LC materials in the LC display to achieve black and white display; and

(d) implementing RGB color filters with the LC display to achieve and maintain good readability in any ambient.

Claim 12 (Original). The method of claim 11, wherein the reflective portion has reflection pixels.

Claim 13 (Original). The method of claim 11, wherein the transflective portion includes a reflective mode having reflection pixels and a transmissive mode having transmission pixels.

Claim 14 (Canceled).

Claim 15 (Original). The method of claim 11, further comprising the step of:
applying the display to a narrow band cholesteric display.

Claim 16 (Original). The method of claim 11, further comprising the step of:
applying the display to a broad band cholesteric display.

Claim 17 (Original). The method of claim 11, where the high birefringence LC materials in the LC display act as a light switch.

Claims 18 (Original). A cholesteric liquid crystal(LC) display, comprising:
means for dividing each pixel in an LC display into reflective and transfective portions;
means for selecting high birefringence LC materials in the LC display to achieve black and white display portions; and
means for providing an RGB color filter for the LC display wherein the same color images are produced using both reflective and transmissive portions.

Claim 19 (Original). The display of claim 18, further comprising:
a slant reflector in the transfective portion for reflecting backlight into reflection pixels.

Claim 20 (Original). The display of claim 18, wherein the display includes:
a narrow band cholesteric liquid crystal layer.

Claim 21 (Original). The display of claim 18, wherein the display includes:
a broad band cholesteric liquid crystal layer.

Claim 22 (Original). The display of claim 18, wherein the display is readable in bright and dark light.